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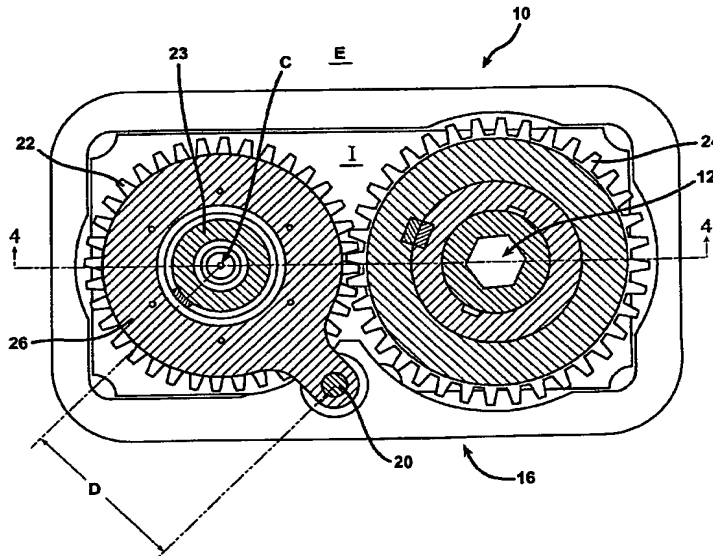
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(54) Title: INSTRUMENTED DRILL HEAD, RELATED DRILLING/BOLTING MACHINES, AND METHODS



(57) Abstract: In one aspect, the invention comprises an instrumented drill head for intended use with a drilling machine including a drilling element, such as a drill bit. The drill head includes a case with a rotatable chuck for the drilling element. A first sensor associated with the drill head senses and generates an output signal representative of a first parameter of the drilling operation. A transmitter wirelessly transmits the signal to a receiver associated with a controller. A roof bolting machine including the drill head and a resin inserter is also disclosed, as are related methods of instrumenting a drill head and drilling using an instrumented drill head.



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